Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/31/2020 09:38 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124510	-1	3.01	124571	3.09
Blue	F	SSC	125000	123878	-1	2.28	124632	2.21
Blue	E	FITC	15892	15244	-5	2.92	333	21.45
Blue	D	PE	29999	29140	-3	2.04	633	15.29
Blue	B	PerCP-Cy5-5	43732	42609	-3	3.72	1155	21.34
Blue	A	PE-Cy7	30845	30302	-2	6.35	576	41.99
Red	C	APC	46112	44906	-3	2.50	1605	12.48
Red	A	APC-Cy7	30458	29516	-4	2.38	788	12.04
Violet	B	V450	7918	7611	-4	3.92	451	12.75
Violet	A	V500	32171	31193	-4	3.65	736	9.87

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16729	15.60	636	15	N/A	N/A	Pass
Blue	F	SSC	57332	1.59	572	13	N/A	N/A	Pass
Blue	E	FITC	61	68.96	550	7	0.0175	171	Pass
Blue	D	PE	133	52.05	556	8	0.1558	295	Pass
Blue	B	PerCP-Cy5-5	213	51.40	662	6	0.0080	32	Pass
Blue	A	PE-Cy7	109	103.97	707	9	0.0104	19	Pass
Red	C	APC	392	25.98	588	4	0.0228	179	Pass
Red	A	APC-Cy7	175	29.05	558	2	0.0055	1118	Pass
Violet	B	V450	69	54.51	460	2	0.0441	1512	Pass
Violet	A	V500	110	30.20	476	2	0.0247	442	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.14	-32.36	1.02
Blue	20.37	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.42
Red	16.76	13.60 - 20.40	N/A	N/A	29.27	30.15	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 9722

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments